

In the Claims:

Please cancel claims 8-16, without prejudice.

1. (Original) A rotation control method for controlling rotation of a CAV system recording medium which has a plurality of zones divided in a radial direction thereof, comprising:

a detecting step which detects a state within a memory which temporarily stores write data to be written on the recording medium and/or read data read from the recording medium; and

a controlling step which switches and controls a rotational speed of the recording medium based on the state detected by the detecting step, depending on an area which is accessed of a plurality of areas of the recording medium dividing the recording medium in the radial direction thereof.

2. (Original) The rotation control method as claimed in claim 1, wherein said controlling step switches the rotational speed when a capacity of the memory occupied by the read data exceeds a first capacity during a read access, and switches the rotational speed when a vacant capacity of the memory exceeds a second capacity during a write access.

3. (Original) The rotation control method as claimed in claim 1, wherein said controlling step switches the rotational speed by giving priority to an access which uses a rotational speed in use.

4. (Original) The rotation control method as claimed in claim 2, wherein said controlling step switches the rotational speed by giving priority to an access which uses a rotational speed in use.

5. (Original) The rotation control method as claimed in claim 1, wherein said controlling step switches the rotational speed after a predetermined time elapses from a time when conditions for switching the rotational speed are satisfied.

6. (Original) The rotation control method as claimed in claim 2, wherein said controlling step switches the rotational speed after a predetermined time elapses from a time when conditions for switching the rotational speed are satisfied.

7. (Original) The rotation control method as claimed in claim 3, wherein said controlling step switches the rotational speed after a predetermined time elapses from a time when conditions for switching the rotational speed are satisfied.

8-16. (Cancelled)